

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application.

Deletions are ~~strickethrough~~ and additions are underlined.

1 - 3. (Canceled)

4. (Currently amended) The ~~pharmaceutical~~ composition of claim 15 2—wherein said ~~the~~ grape seed extract is an active ingredient for the treatment of ischemic brain disease—~~prepared by the method of claim 1.~~

5. (Currently amended) The ~~pharmaceutical~~ composition of claim 4 2—wherein said ~~degenerative brain disease~~ is selected from the group consisting of stroke, cerebral concussion, Huntington's disease, Creutzfeld-Jakob disease, Alzheimer's disease (AD), Parkinson's disease (PD), and senile dementia.

6. (Currently amended) A health food comprising the composition of Claim 15 ~~grape seed extract~~ mixed with a sitologically acceptable additive ~~for the prevention and improvement of degenerative brain disease.~~

7 – 8. (Canceled)

9. (Currently amended) The health food of claim 6, wherein the composition of Claim 15 ~~grape seed extract comprises~~ is between 0.01% and 80% of total weight.

10. (Currently amended) The health food of claim 9, wherein the composition of Claim 15 ~~grape seed extract comprises~~ is between 1% and 50% of total weight.

11 - 13. (Canceled)

14. (New) A method to prepare purified grape seed extract comprising the steps of:
- extracting grape seed with an alkaline solvent;
  - collecting the alkaline solvent and obtaining an alkaline supernatant;
  - adding an acid to the alkaline supernatant to produce an acidic solution;
  - centrifuging the acidic solution to obtain a precipitate and a supernatant;
  - collecting precipitate and suspending with an alcohol to produce a solution;
  - centrifuging the solution in step e to obtain a precipitate and a supernatant;
  - collecting and concentrating the supernatant;
  - adding a non-polar solvent to the supernatant in step g and mixing solution;
  - allowing separation of alcohol and non-polar solvents;
  - collecting non-polar solvent layer; and
  - lyophilizing collected non-polar solvent layer to obtain dried grape seed extract of the present invention showing potent neuronal cell protective activity.
15. (New) A composition comprising grape seed extract as an active ingredient prepared by a method comprising the steps of:
- extracting grape seed with an alkaline solvent;
  - collecting the alkaline solvent and obtaining an alkaline supernatant;
  - adding an acid to the alkaline supernatant to produce an acidic solution;
  - centrifuging the acidic solution to obtain a precipitate and a supernatant;
  - collecting precipitate and suspending with an alcohol to produce a solution;
  - centrifuging the solution in step e to obtain a precipitate and a supernatant;
  - collecting and concentrating the supernatant;
  - adding a non-polar solvent to the supernatant in step g and mixing solution;
  - allowing separation of alcohol and non-polar solvents;
  - collecting non-polar solvent layer; and
  - lyophilizing collected non-polar solvent layer to obtain dried grape seed extract of the present invention showing potent neuronal cell protective activity.
16. (New) The composition of claim 15, where the grape seed extract is an active ingredient for the treatment of ischemic brain disease.

17. (New) The composition of claim 16, where the ischemic brain disease is stroke.
18. (New) The composition of claim 16, where the grape seed extract is about 0.01 - 50 % by weight of the total weight of the composition.
19. (New) A method to produce a beneficial effect comprising administering the composition of Claim 15 to a Mammal in need of treatment of ischemic brain disease.
20. (New) The method to produce a beneficial effect of Claim 19 where the method of administering is selected from the group consisting of ingestion (oral, rectal), topical application and injection (intravenous, intramuscular, subcutaneous, intracutaneous, intrathecal, epidural, intracerebroventricular).
21. (New) The method to produce a beneficial effect of Claim 19 where the Mammal is a Human.
22. (New) The method to produce a beneficial effect of Claim 19 where the method of administering is by ingesting a health food with a sitologically acceptable additive.
23. (New) The method of Claim 14 further comprising; between steps j and k, the additional steps of
1. adding the non-polar solvent to the non-polar solvent layer collected in step j and mixing solution, and
  2. collecting non-polar solvent layer.
24. (New) The method of claim 14, where the alkaline solvent in step a is selected from the group consisting of distilled water, a lower alcohol, methanol, ethanol, or the mixtures thereof.
25. (New) The method of claim 14, where the alkaline solvent in step a is distilled water.

26. (New) The method of claim 14, where the alkaline solvent in step a has a pH ranging from 8 to 11.
27. (New) The method of claim 14, where the acidic solution in step c has a pH ranging from 2 to 4.
28. (New) The method of claim 14, where the alcohol in step e is selected from the group of methanol and ethanol.